



FARRAR ULTRA-LOW TEMPERATURE FRFF7FR

FARRAR -50°C to -86°C lab grade ultra-low temperature freezers are designed and configured for precision temperature storage within biopharmaceutical and life science research applications. Designed with ENERGY STAR® certification in mind and SNAP/EU-F-gas compliant, the FARRAR ULT helps minimize environmental impact by pairing a variable capacity compressor with low global warming potential (GWP) natural hydrocarbon refrigerants.

In addition to supporting sustainability goals, this ULT Freezer delivers superior temperature performance across three key areas – chamber uniformity, reliability, and temperature recovery.

Affordably priced, FARRAR's ULT operates quietly to help ensure productive workspaces and has undergone Accelerated Life Testing (ALT) to deliver a long service life in a busy lab environment.



Temperature Uniformity and Performance

FARRAR's -50°C to -86°C ULT offers wide range temperature management to meet drug product, drug substance and other biologic temperature requirements.
FARRAR's FUF126 is optimized to help ensure:

- Uniformity Consistent temperature throughout the chamber (+/-5°C)
- **Recovery** Rapid return to temperature set point after door opening



Product Quality and Reliability

The FUF126 is engineered to last. FARRAR ultra-low temperature freezer solutions must pass stringent Accelerated Life Testing (ALT) to ensure long-term reliability. ALT Testing includes:

- Accelerated stress factors above normal use conditions
- Elevated ambient temperatures
- Elevated humidity
 Elevated voltage



Energy Efficiency and Sustainability

Configured for life science storage operations, the FUF126 is engineered with energy-efficient technologies to help organizations meet sustainability goals. FARRAR uses stainless steel for longevity and recyclability. To minimize impact, the FUF126 uses natural refrigerants.

- Designed to meet ENERGY STAR certification
- Utilizes low GWP hydrocarbon refrigerants (R290/R170)
- EPA SNAP, and EU F-GAS standards/ requirements testing pending

Smart Engineering that Enables Performance, Limits Access, and Helps Protect Samples

Greater Reliability from Smart Oil Management



A primary cause of compressor failure is excess oil in the refrigeration system. FARRAR has eliminated this issue with our exclusive refrigeration design.

- Specially engineered oil separator removes virtually all oil from refrigeration lines.
- Mixed refrigerant has been optimized to ensure proper flow rate at extremely low temperatures.

Limited Access with Smart Access Panel



The Smart Access Panel Information Center provides critical information about the freezer status. Integrated Access Control is standard on every ultra-low freezer.

- PIN controlled electronic door lock prevents unauthorized access and helps ensure sample safety.
- Intuitive interface with icon-driven touchscreen and convenient USB port helps enable easy user experience and convenient file download and firmware upload.

Smart Sample Protection



FARRAR's design restricts access by shelf helping to protect sample integrity and allowing for frequent sample loading and retrieval.

- Shelves with protective doors enable isolated access helping to mitigate frost/ice accumulation.
- Thoughtful engineering helps protect sample viability by minimizing exposure to ambient temperature.

FARRAR Ultra-Low Temperature Freezer

Model	Temp Range	Volume cu ft L	Boxes 2" (51 mm) cardboard boxes	Shelves/ Compartments	Interior Dimensions wxhxd in mm	Exterior Dimensions wxhxd in mm	Electrical
FUF126	-50°C to -86°C	26 736	528	4 shelves 5 compartments	34.3 x 54 x 23.3 872 x 1373 x 591	40.2 x 78.2 x 35.1 1020 x 1986 x 892	115V 60 Hz 220-240V 50/60Hz

Options & Accessories



Cryo Gloves



LN2 & CO2 Backup Systems



Freezer Racks and Boxes



Inkless Chart Recorder

